

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("astaxanthin").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/07 09:44
S2	1889	astaxanthin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:29
S3	34103	lipase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:29
S4	141	S2 and S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:29
S5	112	S4 and medium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:40
S6	9687	carotenoid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:41
S7	4	S6 near S3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 09:54

S8	73	S2 near extract	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 14:18
S9	21	"3951945"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:14
S10	27	"3906112"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:22
S11	9687	carotenoid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:22
S12	2590	S11 and prepare	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:23
S13	1677	S12 and enzyme	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:23
S14	452	S12 and lipase	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:23
S15	377	S14 and ester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:24

S16	377	S15 and prepare	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:38
S17	153	S16 and pigment	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 10:38
S18	21199	capric	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:33
S19	34103	lipase	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:33
S20	1322	S18 and S19	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:33
S21	600	S20 and prepare	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:33
S22	580	S21 and ester	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:34
S23	1889	astaxanthin	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/08/07 13:35

S24	8	S22 and S23	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 13:38
S25	29	octonic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 13:38
S26	11734	octanoic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 13:38
S27	13	S23 and S26	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 13:40
S28	13	S27 and ester	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 13:40
S29	21	"541595"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 14:19
S30	8	"5453565"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 14:19
S31	8	((MOTOO) near2 (SUMI DA)).INV.	US_PGPUB; USPAT; USOCR	OR	ON	2007/10/26 10:50
S32	9	((MASAHIRO) near2 (NAKAO)).INV.	US_PGPUB; USPAT; USOCR	OR	ON	2007/10/26 10:50
S33	1	((NAMINO) near2 (TOMIMORI)).INV.	US_PGPUB; USPAT; USOCR	OR	ON	2007/10/26 10:50
S34	3	((KOSHI) near2 (NAMIKAWA)).INV.	US_PGPUB; USPAT; USOCR	OR	ON	2007/10/26 10:51

S35	51	((HARUKAZU) near2 (FUKAMI)).INV.	US_PGPUB; USPAT; USOCR	OR	ON	2007/10/26 10:51
S36	35951	monoester	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:52
S37	63415	diester	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:52
S38	21660	capric	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:52
S39	22010	caprylic	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:52
S40	47651	tauric	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:53
S41	1970	astaxanthin	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:53
S42	84	S41 and S38	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:53
S43	34881	lipase	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:53

S44	27	S42 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 10:59
S45	118	S41 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 11:00
S46	39	S45 and S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 11:11
S47	7	S41 same S36 same S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 11:12
S48	96	S41 same S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 11:13
S49	7	S48 same S43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/26 11:13
S50	2	"20050014824"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 16:18
S51	6	"6916493"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/06 19:12

S52	1978	astaxanthin	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 09:44
S53	1116	S52 and food	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 09:44
S54	335	S52 with food	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 09:45
S55	335	S54 and py< "2002"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 09:51
S56	8	"6265450"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 09:57
S57	77	S52 with cosmetics	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 10:00
S58	19	"5965795"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2007/11/07 10:06
S59	2	"2007207219"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 11:01

S60	2	"20070207219"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 11:02
S61	0	astzxanthin with (octanoic or caprylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 11:03
S62	2	astaxanthin with (octanoic or caprylic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 11:04
S63	3870	astaxanthin or xanthophyll	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 13:10
S64	95	S63 with monoester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 13:10
S65	67535	diester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 13:11
S66	24569	capric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 13:11
S67	24895	caprylic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/21 13:11

S68	3	S64 and S65 and S66 and S67	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 13:11
S69	39587	lipase	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 13:12
S70	17	S64 and S69	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 13:12
S71	2	S64 and (octanoic or nonanoic or decanoic or dodecanoic)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 13:16
S72	2	"20040115758"	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 15:18
S73	3870	astaxanthin or xanthophyll	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 17:22
S74	80	S73 and monoester and cosmetics	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 17:22
S75	68	S74 and (fatty near2 acid)	US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	:OR	:ON	2008/07/21 17:23

S76	3	"6709688"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/30 19:01
S77	2	"20050228188"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/30 19:31
S78	2	S77 and purified	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/30 19:31
S79	2	"20050228188"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/31 10:11
S80	2	S79 and purif\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/31 10:11
S81	2	"6054491".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/27 10:19
S82	2	"20040115758"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/27 11:43
S83	2	astaxathin and (caprylic or octanoic or capric or decanoic or nanoic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/27 17:27

S84	1997	426/250,262,268.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/27 17:29
S85	1	S84 and monoester and astaxanthin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/08/27 17:29
S86	11	((MOTOO) near2 (SUMI DA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/18 10:02
S87	14	((MASAHIRO) near2 (NAKAO)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/18 10:03
S88	4	((NAMINO) near2 (TOMIMORI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/18 10:03
S89	5	((KOSHI) near2 (NAMIKAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/18 10:05
S90	59	((HARUKAZU) near2 (FUKAMI)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/18 10:05
S91	196	astaxanthin and monoester	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/18 11:51
S92	51	S91 and (caprylic or octanoic or capric or decanoic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/18 11:52

### EAST Search History (Interference)

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12/18/2009 5:19:46 PM

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